



HEALTH PHYSICIST

Characteristics of Work

This is professional radiological health work involving inspection and survey of facilities using radioactive materials to ensure compliance with state and federal regulations regarding accepted levels of radiation usage. Duties include inspecting x-ray devices, dental and medical equipment, and facilities using radioactive materials; conducting surveys and reviewing safety programs of facilities using radioactive materials; investigating accidents involving radioactive materials, conducting laboratory analyses on samples collected from facilities to determine the radiation content levels; and conducting training programs, seminars, and conferences on radiation usage and control. Supervision is received from a higher-level Health Physicist or other administrative superiors.

Examples of Work

Examples of work performed in this classification include, but are not limited to, the following:

Inspects and surveys dental, medical, and other facilities that use radioactive materials and/or x-ray devices to ensure compliance with state and federal regulations regarding safe levels of radiation usage.

Evaluates results of surveys and inspections and writes reports recommending corrective measures to eliminate health and safety hazards.

Investigates accidents involving radioactive materials to determine cause and severity and writes reports of findings.

Conducts training programs, seminars, and conferences to disseminate information on radiation usage and control.

Evaluates safety programs of facilities that use radioactive materials and/or x-ray devices to determine their adequacy and recommends needed modifications.

Reviews private sector and public organization requests for certification for use of radioactive materials and submits recommendations to superiors.

Performs related or similar duties as required or assigned.

Essential Functions

Additional essential functions may be identified and included by the hiring agency. The essential functions include, but are not limited to, the following:

1. Inspects and surveys facilities that use radioactive materials to ensure compliance with regulations, and writes reports to recommend corrective measures.
2. Evaluates and conducts training programs, safety programs, seminars, and conferences concerning radiation usage and control.

Minimum Qualifications

These minimum qualifications have been agreed upon by Subject Matter Experts (SMEs) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related education and experience, demonstrating the ability to perform the essential functions of the position. Any request to substitute related education or experience for minimum qualifications must be addressed to the State Personnel Board in writing, identifying the related education and experience which demonstrates the candidate's ability to perform all essential functions of the position.

Physical Requirements: These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements. These requirements are typical; however, reasonable accommodations may be possible.

Moderate Work: May frequently exert force equivalent to lifting up to approximately 25 pounds and/or occasionally exert force equivalent to lifting up to approximately 50 pounds.

Vision: Requires the ability to perceive the nature of objects by the eye.

Near Acuity: Clarity of vision at 20 inches or less.

Midrange: Clarity of vision at distances of more than 20 inches and less than 20 feet.

Far Acuity: Clarity of vision at 20 feet or more.

Field of Vision: Ability to observe an area up or down, left or right while eyes are fixed on a given point.

Depth Perception: Three-dimensional vision. Ability to judge distance and space relationships so as to see objects where and as they actually are.

Accommodation: Ability to adjust focus.

Color Vision: Ability to identify colors.

Speaking/Hearing: Ability to give and receive information through speaking and listening skills.

Motor Coordination: While performing the duties of this job, the incumbent is regularly required to use hands to finger, handle or feel objects, tools or controls; and reach with hands and arms. The incumbent is frequently required to stand; walk; and sit. The incumbent is occasionally required to climb or balance; and stoop, kneel, crouch, or bend.

Experience/Educational Requirements:

Education:

A Master's Degree from an accredited four-year college or university in physics, chemistry, mathematics, or a closely related physical or natural science;

OR

Education:

A Bachelor's degree from an accredited four-year college or university in physics, chemistry, mathematics, or a closely related natural or physical science;

AND

Experience:

One (1) year of experience in work related to the above-described duties.

Interview Requirements

Any candidate who is called to an agency for an interview must notify the interviewing agency in writing of any reasonable accommodation needed prior to the date of the interview.